

Title (en)

WIDE SPEED RANGE CONCRETE MONITORING CALIBRATION

Title (de)

KALIBRIERUNG DER BETONÜBERWACHUNG MIT BREITEM GESCHWINDIGKEITSBEREICH

Title (fr)

ÉTALONNAGE DE CONTRÔLE DE BÉTON À LARGE PLAGE DE VITESSE

Publication

EP 3386701 B1 20230322 (EN)

Application

EP 15910337 A 20151207

Priority

US 2015064257 W 20151207

Abstract (en)

[origin: WO2017099711A1] A method and system for concrete monitoring calibration using truck-mounted mixer drum jump speed data selectively assimilated from previous deliveries. The method involves measuring energy at a first drum speed and a second drum speed. Slump is calculated using low speed energy/speed/slump curve data, or pre-stored equation wherein slump is derived as a function of slope of the line. The energy, speed, slump relationship in the provided concrete is compared to at least two pre-stored data curves across drum speed ranges of 15 0.5 RPM - 6 RPM and 6 RPM - 20 RPM, to ascertain whether the provided concrete matches any of the stored curve data; either activating the monitoring system for all drum speed ranges where a match is confirmed or allowing the monitoring system to calculate slump only at low drum speeds.

IPC 8 full level

B28C 7/02 (2006.01); **B28C 5/42** (2006.01)

CPC (source: EP KR US)

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DOCDB simple family (publication)

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